H-ZF88	946179	n_d = 1.945950	υ_d = 17.94	$n_F - n_C$ = 0.052723
		n_e = 1.958277	υ_e = 17.80	$n_{F'} - n_{C'}$ = 0.053849

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.859336
$n_{1970.09}$	1970.09	1.868901
$n_{1529.58}$	1529.58	1.880219
$n_{1060.0}$	1060.0	1.895751
n_t	1013.98	1.897951
n_s	852.11	1.908105
n_r	706.52	1.923335
n_C	656.27	1.931215
$n_{C'}$	643.85	1.933487
n_{He-Ne}	632.8	1.935634
n_D	589.29	1.945503
n_d	587.56	1.945950
n_e	546.07	1.958277
n_F	486.13	1.983938
$n_{F'}$	479.99	1.987336
n_g	435.83	2.018482
n_h	404.66	2.051400
n_i	365.01	
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	2.04275349E+00
L_1	1.69742976E-02
K_2	1.98276153E+00
L_2	1.09068151E+02
K_3	5.04267829E-01
L_3	7.51710710E-02

折射率温度系数常数 Constants of dn/dt

D_0	-3.58E-06
D_1	1.75E-08
D_2	-4.67E-11
E_0	1.18E-06
E_1	1.91E-09
λ_{TK}(μm)	0.330

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.1926	$P'_{s,t}$	0.1886
$P_{C,s}$	0.4383	$P'_{C',s}$	0.4714
$P_{d,C}$	0.2795	$P'_{d,C'}$	0.2314
$P_{e,d}$	0.2338	$P'_{e,d}$	0.2289
$P_{g,F}$	0.6552	$P'_{g,F'}$	0.5784
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0002	$\Delta P_{C,s}$	-0.0058
$\Delta P_{F,e}$	0.0070	$\Delta P_{g,F}$	0.0401

着色度 Color Code

λ_{80}/λ_5	
λ_{70}/λ_5	445/390

热性质 Thermal Properties

T_g (℃)	664
T_s (℃)	709
$T_{10}^{14.5}$ (℃)	620
T_{10}^{13} (℃)	652
$T_{10}^{7.6}$(℃)	769
$\alpha_{-30/70℃}$(10^{-7}/K)	60
$\alpha_{100/300℃}$(10^{-7}/K)	73
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	1
D_A	1
CR	1
RC(S)	1
RA(S)	1

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.973	0.946
2200	0.983	0.966
2000	0.993	0.987
1800	0.996	0.992
1600	0.998	0.996
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
950	0.998	0.997
900	0.998	0.996
850	0.997	0.995
800	0.997	0.995
700	0.996	0.993
650	0.995	0.991
600	0.994	0.989
550	0.989	0.979
500	0.973	0.946
480	0.960	0.921
460	0.941	0.886
440	0.908	0.825
420	0.837	0.700
400	0.486	0.236
390	0.158	0.025
380		
370		
360		
350		
340		
330		
320		
310		
300		
290		
280		

折射率温度系数 Temperature Coefficients of Refractive Index

温度范围（℃） Range of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-60～-40	-0.6	0.7	1.3	1.9	4.0	6.7
-40～-20	-0.4	1.0	1.7	2.6	4.6	7.8
-20～0	-0.4	1.3	2.1	3.0	5.2	8.7
0～20	-0.2	1.5	2.5	3.4	5.9	9.6
20～40	0.1	2.0	2.9	4.0	6.8	10.9
40～60	0.4	2.6	3.5	4.4	7.6	11.8
60～80	1.0	3.1	4.1	5.1	8.3	12.6
80～100	1.2	3.3	4.3	5.5	8.8	13.6
100～120	1.3	3.4	4.5	5.7	9.1	14.0
120～140	1.3	3.4	4.7	5.9	9.4	14.4

机械性质 Mechanical Properties

H_K (10^7Pa)	520
F_A	202
E (10^7Pa)	10881
G (10^7Pa)	4377
μ	0.243
B (10^{-12}/Pa)	3.27

其他性质 Other Properties

ρ (g/cm^3)	3.52

备注 Remarks

CDGM